

ABSTRACT

LOOP CONVEYOR WITH AIR CUSHION TRANSFER

A conveyor system comprises a transfer assembly bridging a pair of side-by-side belt conveyors adapted to move articles in opposite directions. The transfer assembly comprises an air table including an air plate adapted to be mounted between the side-by-side belt conveyors. The air table further includes an inner guide and an outer guide defining a curved track in which the articles are constrained to pass while being transferred from one belt conveyor to the other. The curved track extends at opposed ends thereof over the side-by-side belt conveyors to cause a reorientation of the articles while the articles are still on the belt conveyors.